## Listing of the Claims

This listing of claims will replace all prior versions, and listings of claims in the application.

## 1 - 27. (Canceled)

- 28. (Currently amended) A method for identifying determining whether a compound that inhibits the ubiquitination reaction mediated by the Anaphase Promoting Complex (APC), comprising
- (a) reacting APC11, ubiquitin, a ubiquitin activating enzyme (E1), a ubiquitin conjugating enzyme (E2), ATP, and a test compound under conditions and duration of time sufficient to obtain a measurable level of multiubiquitin chains in the absence of said test compound; and
- (b) comparing the level of multiubiquitin chains formed in the presence of said test compound to the level of multiubiquitin chains formed in the absence of said test compound;

wherein said reaction is made in the absence of APC subunits other than APC11.

## 29. (Canceled)

- 30. (Previously presented) The method of claim 28, wherein said APC11 is human.
- 31. (Previously presented) The method of claim 28, wherein said E1 is wheat UBA1.

- 32. (Previously presented) The method of claim 28, wherein said E2 is the human variant UBCH5b.
- 33. (Previously presented) The method of claim 28, wherein the formation of multiubiquitin chains is measured using an antibody.
- 34. (Currently amended) The method of claim 33, wherein said antibody is specific for binds to APC11.
- 35. (Currently amended) The method of claim 33, wherein said antibody is specific for binds to ubiquitin.
- 36. (Previously presented) The method of claim 33, wherein said antibody is labeled for detection.
- 37. (Previously presented) The method of claim 36, wherein said antibody is labeled with a fluorimetric label, a radioactive label, or an enzymatic label.
- 38. (Previously presented) The method of claim 28, wherein said formation of multiubiquitin chains is measured using fluorescence resonance energy transfer (FRET).

- 39. (Previously presented) The method of claim 28, wherein one or more assay components selected from the group consisting of APC11, E1, E2 and ubiquitin is fused to an affinity tag.
- 40. (Previously presented) The method of claim 39, wherein said affinity tag is glutathione S-transferase, maltose binding protein, His(6), myc-epitope, biotin, or HA-epitope.
- 41. (Previously presented) The method of claim 39, wherein said assay component fused to said affinity tag is APC11.
- 42. (Previously presented) The method of claim 39, wherein said assay component fused to said affinity tag is E2.
- 43. (Previously presented) The method of claim 39, wherein said assay component fused to said affinity tag is ubiquitin.
- 44. (Previously presented) The method of claim 39, wherein more than one assay component is fused to said affinity tag.
- 45. (Previously presented) The method of claim 39, wherein said assay component is detected with an antibody specific for said affinity tag.

- 46. (Currently amended) A method for identifying determining whether a compound that inhibits the ubiquitination reaction mediated by the Anaphase Promoting Complex (APC), comprising
- (a) reacting APC11, ubiquitin, an APC substrate, a ubiquitin activating enzyme (E1), a ubiquitin conjugating enzyme (E2), ATP, and a test compound under conditions and duration of time sufficient to obtain a measurable level of multiubiquitin chains on said substrate in the absence of said test compound; and
- (b) comparing the level of multiubiquitin chains formed in the presence of said test compound to the level of multiubiquitin chains formed in the absence of said test compound;

wherein said reaction is made in the absence of APC subunits other than APC11.

- 47. (Canceled)
- 48. (Previously presented) The method of claim 46, wherein said APC11 is human.
- 49. (Previously presented) The method of claim 46, wherein said APC substrate is CyclinB.
- 50. (Previously presented) The method of claim 46, wherein said APC substrate is Securin.
  - 51. (Previously presented) The method of claim 46, wherein said E1 is wheat UBA1.

- 52. (Previously presented) The method of claim 46, wherein said E2 is the human variant UBCH5b.
- 53. (Previously presented) (The method of claim 46, wherein the formation of multiubiquitin chains is measured using an antibody.
- 54. (Currently amended) The method of claim 53, wherein said antibody is specific for binds to APC11.
- 55. (Currently amended) The method of claim 53, wherein said antibody is specific for binds to ubiquitin.
- 56. (Previously presented) The method of claim 53, wherein said antibody is labeled for detection.
- 57. (Previously presented) The method of claim 56, wherein said antibody is labeled with a fluorimetric label, a radioactive label, or an enzymatic label.
- 58. (Previously presented) The method of claim 46, wherein said formation of multiubiquitin chains is measured using fluorescence resonance energy transfer (FRET).

- 59. (Previously presented) The method of claim 46, wherein one or more assay components selected from the group consisting of APC11, E1, E2 and ubiquitin is a fused to an affinity tag.
- 60. (Previously presented) The method of claim 59, wherein said affinity tag is glutathione S-transferase, maltose binding protein, His(6), myc-epitope, biotin, or HA-epitope.
- 61. (Previously presented) The method of claim 59, wherein said assay component fused to said affinity tag is APC11.
- 62. (Previously presented) The method of claim 59, wherein said assay component fused to said affinity tag is E2.
- 63. (Previously presented) The method of claim 59, wherein said assay component fused to said affinity tag is ubiquitin.
- 64. (Previously presented) The method of claim 59, wherein more than one assay component is fused to said affinity tag.
- 65. (Previously presented) The method of claim 59, wherein said assay component is detected with an antibody specific for said affinity tag.

- 66. (Currently amended) A method for identifying determining whether a compound that inhibits the self-ubiquitination reaction mediated by the Anaphase Promoting Complex (APC), comprising
- (a) reacting APC11, ubiquitin, a ubiquitin activating enzyme (E1), a ubiquitin conjugating enzyme (E2), ATP, and a test compound under conditions and duration of time sufficient to obtain a measurable level of ubiquitination of APC11 in the absence of said test compound; and
- (b) comparing the level of ubiquitination of APC11 in the presence of said test compound to the level of ubiquitination of APC11 in the absence of said test compound.
  - 67. (Canceled)
  - 68. (Previously presented) The method of claim 66, wherein said APC11 is human.
  - 69. (Previously presented) The method of claim 66, wherein said E1 is wheat UBA1.
- 70. (Previously presented) The method of claim 66, wherein said E2 is the human variant UBCH5b.
- 71. (Previously presented) The method of claim 66, wherein said ubiquitination of APC11 is measured using an antibody.

- 72. (Currently amended) The method of claim 71, wherein said antibody is specific for binds to APC11.
- 73. (Currently amended) The method of claim 71, wherein said antibody is specific for binds to ubiquitin.
- 74. (Previously presented) The method of claim 71, wherein said antibody is labeled for detection.
- 75. (Previously presented) The method of claim 74, wherein said antibody is labeled with a fluorimetric label, a radioactive label, or an enzymatic label.
- 76. (Previously presented) The method of claim 66, wherein said formation of multiubiquitin chains is measured using fluorescence resonance energy transfer (FRET).
- 77. (Previously presented) The method of claim 66, wherein one or more assay components selected from the group consisting of APC11, E1, E2 and ubiquitin is a fused to an affinity tag.
- 78. (Previously presented) The method of claim 77, wherein said affinity tag is glutathione S-transferase, maltose binding protein, His(6), myc-epitope, biotin, or HA-epitope.

- 79. (Previously presented) The method of claim 77, wherein said assay component fused to said affinity tag is APC11.
- 80. (Previously presented) The method of claim 77, wherein said assay component fused to said affinity tag is E2.
- 81. (Previously presented) The method of claim 77, wherein said assay component fused to said affinity tag is ubiquitin.
- 82. (Previously presented) The method of claim 77, wherein more than one assay component is fused to said affinity tag.
- 83. (Previously presented) The method of claim 77, wherein said assay component is detected with an antibody specific for said affinity tag.